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**POWER OF ATTORNEY  
AND  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

|                        |                               |
|------------------------|-------------------------------|
| Application Number     | Please see attached Exhibit A |
| Filing Date            |                               |
| First Named Inventor   |                               |
| Title                  |                               |
| Art Unit               |                               |
| Examiner Name          |                               |
| Attorney Docket Number |                               |

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

Practitioners associated with the Customer Number:

24227

**OR**

Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
|      |                     |
|      |                     |
|      |                     |
|      |                     |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number:

**OR**

The address associated with Customer Number:

**OR**

Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

Applicant/Inventor.  
 Assignee of record of the entire interest. See 37 CFR 3.71.  
 Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

|                   |  |           |              |
|-------------------|--|-----------|--------------|
| Signature         | Krishnendu Gupta                             | Date      | 3/12/2013    |
| Name              | Krishnendu Gupta                             | Telephone | 508-293-6654 |
| Title and Company | Vice President and Assistant General Counsel |           |              |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form or other suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: EMC CorporationApplication No./Patent No. See Attached Exhibit A Filed/Issue Date: \_\_\_\_\_

Entitled:

EMC Corporation

a

corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A.  An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel See Attached Exhibit A, Frame See Attached Exhibit A, or for which a copy thereof is attached.

OR  
B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

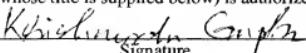
1. From: To:  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: To:  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: To:  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.


3-12-2008

Date

Krishnendu Gupta  
 Printed or Typed Name

508-293-6654  
 Telephone Number
Vice President and Assistant General CounselTitle

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## Exhibit A

| Docket Number      | Application Number | File Date | Pat No. | Assignment To   | Assignment Date | Reel    | Frame |
|--------------------|--------------------|-----------|---------|-----------------|-----------------|---------|-------|
| EMC-00-0866        | 09/895,466         | 29-Jun-01 |         | EMC Corporation | 22-Oct-01       | 012455  | 0042  |
| EMC-00-0866CON1    | 11/273,279         | 14-Nov-05 |         | EMC Corporation | 20-Jul-07       | 019596  | 0313  |
| EMC-01-141CIP1     | 10/608,636         |           |         | EMC Corporation | 27-Jun-03       | 014267  | 0876  |
| EMC-01-141CIP2     | 10/608,757         | 27-Jun-03 |         | EMC Corporation | 27-Jun-03       | 014253  | 0877  |
| EMC-01-201         | 10/017,304         | 11-Dec-01 |         | EMC Corporation | 11-Dec-01       | 012390  | 0236  |
| EMC-02-132         | 10/259,011         | 27-Sep-02 |         | EMC Corporation | 27-Sep-02       | 013351  | 0981  |
| EMC-02-132CIP1     | 10/786,985         | 25-Feb-04 |         | EMC Corporation | 11-Aug-04       | 015725  | 0819  |
| EMC-02-141         | 10/259,010         | 27-Sep-02 |         | EMC Corporation | 27-Sep-02       | 013349  | 0912  |
| EMC-02-141CIP1CIP2 | 10/917,753         | 13-Aug-04 |         | EMC Corporation | 26-Nov-04       | 016028  | 0342  |
| EMC-02-141CIP1CIP2 | 10/917,753         | 13-Aug-04 |         | EMC Corporation | 21-Sep-05       | 017009  | 0164  |
| EMC-02-141CIP1     | 10/786,644         | 25-Feb-04 |         | EMC Corporation | 11-Aug-04       | 015672  | 0381  |
| EMC-02-179         | 10/235,650         | 31-Dec-02 |         | EMC Corporation | 15-May-03       | 013557  | 0796  |
| EMC-02-179CIP1     | 11/081,177         | 16-Mar-05 |         | EMC Corporation | 20-May-05       | 016565  | 0921  |
| EMC-02-187         | 10/335,349         | 31-Dec-02 |         | EMC Corporation | 25-Apr-03       | 013604  | 0064  |
| EMC-02-188         | 10/335,509         | 31-Dec-02 |         | EMC Corporation | 21-Apr-03       | 013971  | 0974  |
| EMC-03-079CIP1     | 11/240,164         | 30-Sep-05 |         | EMC Corporation | 09-Jul-07       | 019548  | 0474  |
| EMC-03-079CIP2     | 11/241,338         | 30-Sep-05 |         | EMC Corporation | 27-Feb-07       | 018971  | 0771  |
| EMC-03-079CIP2     | 11/241,338         | 30-Sep-05 |         | EMC Corporation | 22-Oct-07       | 0200050 | 0353  |
| EMC-03-079D1V1     | 11/244,978         | 06-Oct-05 |         | EMC Corporation | 23-Oct-07       | 0200117 | 0377  |
| EMC-03-079D1V1     | 11/244,978         | 06-Oct-05 |         | EMC Corporation | 23-Oct-07       | 0200117 | 0364  |
| EMC-03-081         | 10/652,371         | 29-Aug-03 |         | EMC Corporation | 20-Jan-04       | 014904  | 0944  |
| EMC-03-100         | 10/673,664         | 29-Sep-03 |         | EMC Corporation | 09-Feb-04       | 014962  | 0867  |
| EMC-03-100CIP2     | 10/679,726         | 06-Oct-03 |         | EMC Corporation | 09-Feb-04       | 014967  | 0018  |
| EMC-04-095         | 10/877,647         | 25-Jun-04 |         | EMC Corporation | 25-Oct-04       | 015954  | 0986  |
| EMC-04-095CIP1     | 10/953,639         | 29-Sep-04 |         | EMC Corporation | 13-Jan-05       | 016154  | 0465  |
| EMC-04-095CIP2     | 10/953,541         | 29-Sep-04 |         | EMC Corporation | 13-Jan-05       | 016154  | 0484  |
| EMC-04-205         | 10/955,351         | 30-Sep-04 |         | EMC Corporation | 30-Sep-04       | 015887  | 0422  |
| EMC-04-206         | 10/955,352         | 30-Sep-04 |         | EMC Corporation | 30-Sep-04       | 015857  | 0396  |
| EMC-05-039         | 11/098,632         | 30-Mar-05 |         | EMC Corporation | 30-Mar-05       | 016475  | 0945  |
| EMC-05-073         | 11/094,112         | 30-Mar-05 |         | EMC Corporation | 30-Mar-05       | 016445  | 0888  |



## Exhibit A

| Docket Number           | Application Number | File Date | Pat No. | Assignment To   | Assignment Date | Reel   | Frame |
|-------------------------|--------------------|-----------|---------|-----------------|-----------------|--------|-------|
| EMC-05-095IPROJORD      | 11/052,395         | 07-Feb-05 |         | EMC Corporation | 07-Feb-05       | 016257 | 0925  |
| EMC-05-095IPRO          | 60/544,526         | 13-Feb-04 |         | EMC Corporation | 05-Aug-05       | 016858 | 0205  |
| EMC-05-096PROJORD       | 10/124,881         | 18-Apr-02 |         | EMC Corporation | 18-Mar-05       | 015918 | 0265  |
| EMC-05-097IPROJORD1     | 11/077,933         | 11-Mar-05 |         | EMC Corporation | 29-Apr-05       | 016503 | 0315  |
| EMC-05-097IPROJORD2     | 11/077,932         | 11-Mar-05 |         | EMC Corporation | 29-Apr-05       | 016503 | 0277  |
| EMC-05-097PRO           | 60/532,559         | 12-Mar-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-098PROJORD)CIP1  | 11/176,982         | 08-Jul-05 |         | EMC Corporation | 02-Sep-05       | 016941 | 0322  |
| EMC-05-098IPRO)CIP1CIP4 | 11/527,992         | 27-Sep-06 |         | EMC Corporation | 02-Apr-07       | 019120 | 0409  |
| EMC-05-098IPRO)CIP5     | 11/646,946         | 28-Dec-06 |         | EMC Corporation | 25-May-07       | 019367 | 0129  |
| EMC-05-098PROJORD       | 10/813,842         | 31-Mar-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-098PROJORD)CIP3  | 11/325,108         | 03-Jan-06 |         | EMC Corporation | 08-May-06       | 017864 | 0758  |
| EMC-05-100PROJORD1      | 10/850,150         | 24-Sep-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-100PROJORD2      | 10/948,589         | 24-Sep-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-100PROJORD3      | 10/949,415         | 24-Sep-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-110PROJORD       | 11/054,578         | 09-Feb-05 |         | EMC Corporation | 03-Mar-05       | 016331 | 0111  |
| EMC-05-110PRO           | 60/543,196         | 10-Feb-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-137CON1          | 11/006,472         | 07-Dec-04 |         | EMC Corporation | 17-Jun-05       | 016708 | 0671  |
| EMC-05-138              | 11/803,607         | 15-May-07 |         | EMC Corporation | 15-May-07       | 019371 | 0398  |
| EMC-05-138IPROJORD1     | 11/124,875         | 09-May-05 |         | EMC Corporation | 05-Jul-05       | 016729 | 0662  |
| EMC-05-139PROJORD1      | 11/395,456         | 31-Mar-06 |         | EMC Corporation | 21-Jun-06       | 018069 | 0090  |
| EMC-05-139IPROJORD2     | 11/211,234         | 25-Aug-05 |         | EMC Corporation | 09-Jan-06       | 017438 | 0178  |
| EMC-05-139PRO           | 60/604,325         | 25-Aug-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-140PROJORD       | 11/054,577         | 09-Feb-05 |         | EMC Corporation | 01-Mar-05       | 016330 | 0158  |
| EMC-05-140PRO           | 60/604,330         | 25-Aug-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-141              | 10/962,031         | 08-Oct-04 |         | EMC Corporation | 05-Aug-05       | 016858 | 0205  |
| EMC-05-142              | 10/977,024         | 29-Oct-04 |         | EMC Corporation | 14-Mar-05       | 016358 | 0444  |
| EMC-05-142              | 10/977,024         | 29-Oct-04 |         | EMC Corporation | 18-Mar-05       | 015918 | 0565  |
| EMC-05-143              | 11/171,906         | 30-Jun-05 |         | EMC Corporation | 30-Jun-05       | 016751 | 0401  |
| EMC-05-143              | 11/171,906         | 30-Jun-05 |         | EMC Corporation | 05-Oct-05       | 017051 | 0968  |

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|----------------|--------------------|-----------|---------|-----------------|-----------------|---------|-------|
| EMC-05-149     | 11/165,986         | 24-Jun-05 |         | EMC Corporation | 29-Aug-05       | 016627  | 0412  |
| EMC-05-150     | 11/130,046         | 16-May-05 |         | EMC Corporation | 16-May-05       | 0166272 | 0531  |
| EMC-05-151     | 11/130,042         | 16-May-05 |         | EMC Corporation | 16-May-05       | 0166274 | 0292  |
| EMC-05-282     | 11/239,910         | 30-Sep-05 |         | EMC Corporation | 30-Sep-05       | 017061  | 0514  |
| EMC-05-283     | 11/239,812         | 30-Sep-05 |         | EMC Corporation | 09-Nov-05       | 017192  | 0560  |
| EMC-05-287     | 11/238,512         | 29-Sep-05 |         | EMC Corporation | 06-Sep-06       | 018259  | 0774  |
| EMC-05-358     | 11/325,084         | 04-Jan-06 |         | EMC Corporation | 04-Jan-06       | 017417  | 0807  |
| EMC-05-381     | 11/325,050         | 04-Jan-06 |         | EMC Corporation | 12-May-06       | 017885  | 0758  |
| EMC-05-383     | 11/325,109         | 03-Jan-06 |         | EMC Corporation | 12-May-06       | 017883  | 0294  |
| EMC-05-387     | 11/390,879         | 28-Mar-06 |         | EMC Corporation | 04-May-07       | 019279  | 0152  |
| EMC-05-412     | 11/394,666         | 31-Mar-06 |         | EMC Corporation | 21-Jul-06       | 018112  | 0711  |
| EMC-06-075     | 11/382,303         | 09-May-06 |         | EMC Corporation | 09-May-06       | 017591  | 0018  |
| EMC-06-086     | 11/394,701         | 31-Mar-06 |         | EMC Corporation | 19-Jun-06       | 017978  | 0553  |
| EMC-06-087     | 11/335,429         | 31-Mar-06 |         | EMC Corporation | 19-Jun-06       | 017977  | 0414  |
| EMC-06-154     | 11/1475,774        | 27-Jun-06 |         | EMC Corporation | 16-Oct-06       | 018413  | 0850  |
| EMC-06-159     | 11/1476,957        | 28-Jun-06 |         | EMC Corporation | 28-Jun-06       | 018022  | 0777  |
| EMC-06-159CIP1 | 11/906,565         | 03-Oct-07 |         | EMC Corporation | 17-Dec-07       | 020273  | 0486  |
| EMC-06-160     | 11/1477,282        | 29-Jun-06 |         | EMC Corporation | 24-Jul-06       | 018121  | 0871  |
| EMC-06-167     | 11/382,329         | 09-May-06 |         | EMC Corporation | 09-May-06       | 017591  | 0634  |
| EMC-06-247     | 11/1475,775        | 27-Jun-06 |         | EMC Corporation | 18-Oct-06       | 018415  | 0246  |
| EMC-06-269     | 11/625,499         | 22-Sep-06 |         | EMC Corporation | 22-Sep-06       | 018245  | 0928  |
| EMC-06-298     | 11/537,073         | 29-Sep-06 |         | EMC Corporation | 29-Sep-06       | 018327  | 0486  |
| EMC-06-298     | 11/537,073         | 29-Sep-06 |         | EMC Corporation | 09-Jul-07       | 019531  | 0569  |
| EMC-06-336     | 11/526,978         | 26-Sep-06 |         | EMC Corporation | 28-Sep-06       | 018348  | 0966  |
| EMC-06-341     | 11/646,638         | 28-Dec-06 |         | EMC Corporation | 04-Jun-07       | 019408  | 0145  |
| EMC-06-429     | 11/731,696         | 29-Mar-07 |         | EMC Corporation | 22-May-07       | 019355  | 0028  |
| EMC-06-429     | 11/731,696         | 29-Mar-07 |         | EMC Corporation | 16-Jul-07       | 019594  | 0231  |
| EMC-06-454     | 11/628,125         | 13-Dec-06 |         | EMC Corporation | 12-Feb-07       | 018918  | 0045  |
| EMC-07-008     | 11/726,326         | 21-Mar-07 |         | EMC Corporation | 21-Mar-07       | 019125  | 0212  |
| EMC-07-024     | 11/725,882         | 20-Mar-07 |         | EMC Corporation | 20-Mar-07       | 019425  | 0197  |

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| EMC-07-048     | 11/823,930         | 29-Jun-07 |         | EMC Corporation | 28-Sep-07       | 019918 | 0476  |
| EMC-07-049     | 11/824,238         | 29-Jun-07 |         | EMC Corporation | 29-Oct-07       | 020053 | 0017  |
| EMC-07-064     | 11/732,664         | 04-Apr-07 |         | EMC Corporation | 11-May-07       | 019306 | 0383  |
| EMC-07-112     | 11/821,008         | 21-Jun-07 |         | EMC Corporation | 21-Jun-07       | 019516 | 0932  |
| EMC-07-287     | 11/985,610         | 17-Nov-07 |         | EMC Corporation | 20-Dec-07       | 020296 | 0146  |
| EMC-98-014CIP1 | 10/113,168         | 29-Mar-02 |         | EMC Corporation | 19-Jun-02       | 013010 | 0128  |